

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant	:	Mishra, Allan
App. No	:	10/581,583
Filed	:	June 2, 2006
For	:	COMPOSITIONS AND METHOD FOR DECREASING THE APPEARANCE OF SKIN WRINKLES
Examiner	:	Afremova, Vera
Art Unit	:	1657
Conf No.	:	6996

**DECLARATION UNDER 37 C.F.R. § 1.132**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

I, Allan Mishra, declare as follows

1. I am the inventor in the above-identified application. My curriculum vitae is attached hereto.
2. Unactivated buffered Platelet-rich plasma (PRP) was prepared as described in the specification (APEX as described in Example 1 of the specification). Human skin fibroblasts were isolated and grown in either D-MEM/F-12 with ten percent fetal bovine serum (control media) or the ninety percent control media with ten percent buffered platelet rich plasma (PRP media). The PRP was not activated. Control and PRP media wells were seeded with 10,000 cells each and then incubated at 37 degrees for seven days. The percentage of PRP was also tested at 0.1%, 1% and 5%.
3. Proliferation of the human skin fibroblasts increased with increasing concentration of PRP. PRP media with 10% PRP clearly had the most proliferation. See chart below.
4. The experiment with 10% PRP was then repeated six times. The average cell count in the control group at 7 days was 87,700 fibroblasts. The average cell count in the 10% PRP group at

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7 days was 288,000. This represented a 3.28 fold increase over control. Student's T-test evaluation of the results revealed a p value of 0.004. I conclude that PRP effectively promotes growth of skin fibroblast cells.

5. I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States codes and that such willful, false statements may jeopardize the validity of the application or patent issuing therefrom.

Dated: \_\_\_\_\_ By: \_\_\_\_\_

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